

20030722.qrp v02_n989.qrl.20030722

Date: Tue, 22 Jul 2003 19:03:05 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2989

QRP-L Digest 2989

Topics covered in this issue include:

- 1) [154648] Re: HB: 40 Meter vertical PLUS 30 meters
by Steven Weber <kd1jv@moose.ncia.net>
- 2) [154649] Need Help
by "Gene Sailsbury" <gsailsbury@mobil1.net>
- 3) [154650] Now Showing - The ARS Sojourner
by Richard Fisher <ki6sn@yahoo.com>
- 4) [154651] Re: [154547] Anyone Operate QRP on a Cruise Ship?
by Gene Marcus <mrmarcus@hiwaay.net>
- 5) [154652] Radioworks Super Loop 40
by "Mike Duke, K5XU" <k5xu@jam.rr.com>
- 6) [154653] Fw: RE: Jupiter
by "Burl A. Keeton" <n5duq@juno.com>
- 7) [154654] PIC Elmer Series?
by "John J. McDonough" <wb8rcr@arrl.net>
- 8) [154655] RFD end effects on shield
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 9) [154656] RE: Elecraft K-1 For Sale,
by "Burl A. Keeton" <n5duq@juno.com>
- 10) [154657] Re: RFD end effects on shield
by "George, W5YR" <w5yr@att.net>
- 11) [154658] Delta Loop feeding
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 12) [154659] Re: 40 Meter vertical PLUS 30 meters
by ALAN.KAUL@att.net
- 13) [154660] Fox - Summer Fox Hunt Teams Results.
by Bruce Rattray <rattray@gpfn.sk.ca>
- 14) [154661] Fox - Summer Fox Hunt Teams Results.
by Bruce Rattray <rattray@gpfn.sk.ca>
- 15) [154662] Re: 40 Meter vertical PLUS 30 meters
by Tim Groat <tcgroat@earthlink.net>
- 16) [154663] Wein Bridge Whining Halted
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 17) [154664] Yagi Design
by "pschweit" <pschweit@mninter.net>
- 18) [154665] HT-750 back in production!
by K7V0 <k7vo@earthlink.net>
- 19) [154666] Re: Yagi Design

- by Lee Boulineau <n4mvl@yahoo.com>
- 20) [154667] 40 meter rtty and PSK tonie
by hamjoel@juno.com
- 21) [154668] Re: Yagi Design
by "George, W5YR" <w5yr@att.net>
- 22) [154669] SuSe 8.2 Pro
by The Wheelers <rains@digisys.net>
- 23) [154670] HOMEBREWER subs accepted by PayPal
by "George Heron N2APB" <n2apb@erols.com>
- 24) [154671] Re: HOMEBREWER subs accepted by PayPal
by "Bob Tellefsen" <n6wg@earthlink.net>
- 25) [154672] Re: PIC Elmer Series?
by Hubert Smits <hubert.smits@zen.co.uk>
- 26) [154673] Re: PIC Elmer Series?
by Paul <mooney@cytanet.com.cy>
- 27) [154674] Cubex Quad Experience?
by John Seney <wd1v@amsat.org>
- 28) [154675] Freq Reference Kit update
by "w8diz" <w8diz@cinci.rr.com>
- 29) [154676] Re: [fpqrp] HB: 40 Meter vertical PLUS 30 meters
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
- 30) [154677] Re: [fpqrp] HB: 40 Meter vertical PLUS 30 meters
by "w8diz" <w8diz@cinci.rr.com>
- 31) [154678] Re: Delta Loop feeding
by R F Hotz <42hotrodz@sbcglobal.net>
- 32) [154679] Michigan QRP Net
by kwike@gdls.com
- 33) [154680] August QST Article: RADIALS
by ARDUJENSKI@aol.com
- 34) [154681] Ralph Holland's paper on Short Verticals and Ground Systems
by ARDUJENSKI@aol.com
- 35) [154682] Re: Cubex Quad Experience?
by Gary Slagel <gdslagel@yahoo.com>
- 36) [154683] Re: August QST Article: RADIALS
by "Bob Tellefsen" <n6wg@earthlink.net>
- 37) [154684] The Iowa QRP Club CW Net
by mark.milburn@juno.com
- 38) [154685] On line License renewal
by Steven Weber <kd1jv@moose.ncia.net>
- 39) [154686] HOMEBREWER subs flying in!!
by "George Heron N2APB" <n2apb@erols.com>
- 40) [154687] RE: On line License renewal
by "David Hinerman" <WD8CIV@worldnet.att.net>
- 41) [154688] Ft Tuthill night watch
by Chuck Adams <k7qo@commspeed.net>
- 42) [154689] Re: HOMEBREWER subs flying in!!
by Paul <mooney@cytanet.com.cy>
- 43) [154690] TKit 1330 question

by Mark Prather <wb9hfk@yahoo.com>
44) [154691] New Test Instrument
by Elliott Lawrence <edl@pacbell.net>
45) [154692] Re: Cubex Quad Experience?
by "Pat Whelton" <pwhelton@earthlink.net>
46) [154693] RE: Ft Tuthill night watch
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
47) [154694] Re: August QST Article: RADIALS
by Bruce Muscolino <w6toy@erols.com>
48) [154695] FORT TUTHILL is EMINENT
by w5jh@swlink.net
49) [154696] Re: TKit 1330 question
by "George, W5YR" <w5yr@att.net>
50) [154697] Re: Ft Tuthill night watch
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
51) [154698] ARRL License renewal
by "Charles Mabbott" <aa8vs@msn.com>
52) [154699] ARRL License renewal
by "Charles Mabbott" <aa8vs@msn.com>
53) [154700] OT:Palm or Pocket PC?
by "Doc K0EVZ" <dock0evz@earthlink.net>
54) [154701] Re: On line License renewal
by "Bud Haynes" <BudHaynes@peoplepc.com>
55) [154702] Out of the mouths of babes...
by "David Hinerman" <WD8CIV@worldnet.att.net>
56) [154703] OT: R/C controlled vehicles
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
57) [154704] RE: Palm or Pocket PC?
by "Bob & Janet" <jbcraft@adelphia.net>
58) [154705] Re: OT:Palm or Pocket PC?
by "Paul Mooney" <mooney@cytanet.com.cy>
59) [154706] Load coil wire
by Dave Hottell <hottell@gulftel.com>

Date: Mon, 21 Jul 2003 16:37:39 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [154648] Re: HB: 40 Meter vertical PLUS 30 meters
Message-ID: <3.0.6.32.20030721163739.007c8670@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Hi Dieter,
>
>> I'm in the process of building/erecting a 40 meter vertical.
>> It will be a full size vertical, 33' with four radials

Why not make it a trap vertical? And while your at it, add one for 20M too.
Seems to me that would be the easiest thing to do.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Mon, 21 Jul 2003 17:10:05 -0500
From: "Gene Sailsbury" <gsailsbury@mobill1.net>
To: "Low Power" <qrp-l@Lehigh.EDU>
Subject: [154649] Need Help
Message-ID: <068a01c34fd4\$d79da600\$56c03fd8@n0mq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There are 3 of us that are trying to find the one page manual for the MFJ
40V VFO that was made in the
early 70's. We are trying to get them going but have tried for a couple of
years to find the manual. If anyone has one I would be glad to pay to have
it reprinted. MFJ
does not have it. Thanks for your help.
72
Gene N0MQ

Date: Mon, 21 Jul 2003 16:08:51 -0700 (PDT)
From: Richard Fisher <ki6sn@yahoo.com>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [154650] Now Showing - The ARS Sojourner
Message-ID: <20030721230851.82767.qmail@web12102.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Celebrating the move into our new Internet home, the July edition of
the Adventure Radio Society's monthly web magazine, The ARS Sojourner,
is hot off the virtual press, free and just a click away at our new
address:

<http://www.ARSqrp.com>

Here's a look at this month's content:

- + Overarching Enthusiasm at Zion National Park, by Dr. Bob Armstrong, N7XJ
- + Playing With Fire, by Bruce Grubbs, N7CEE
- + Room With a View, by Trevor Jacobs, KG6CYN
- + From Our Vantage Point: A Happy House Warming, The ARS Sojourner
- + July Spartan Sprint results, with recognition of champs W7GA in the Skinny Division; WA9TZE in the Tubby Division.
- + SP Soapbox comments
- + Latest revisions to the Spartan Sprint Logger, by John Huffman, NA8M
- + Wilderness Alerts for July, 2003 (regularly updated)
- + ARS' 2003 Calendar of On-Air Events, The ARS Sojourner
- + Who's Who and Who's New: New Members of the Adventure Radio Society, by Richard Fisher, KI6SN, The ARS Sojourner

On behalf of ARS webmaster Charlie Wilber, N1AOK, contest manager John Huffman, NA8M, The ARS Sojourner staff and contributing writers, we hope you enjoy this edition. As always, we appreciate your feedback and editorial contributions for coming editions.

Vy 72,

Richard Fisher, KI6SN
Executive editor, The ARS Sojourner
Riverside, CA
KI6SN@yahoo.com

Do you Yahoo!?
Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Mon, 21 Jul 2003 18:15:46 -0500
From: Gene Marcus <mmarcus@hiwaay.net>
To: "cal.jsi" <cal.jsi@verizon.net>, QRP-L <qrp-l@Lehigh.edu>
Subject: [154651] Re: [154547] Anyone Operate QRP on a Cruise Ship?
Message-ID: <3F1C7422.9080508@hiwaay.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Hello Cal,

Last month I returned from a visit to Scotland and England on the QE2. Although I did not operate HF QRP onboard, I did operate satellite QRP via UO-14 using an FT817 and small unobtrusive antennas.

Shortly after boarding I made some inquiries pertaining to operating onboard. As there is not a radio officer onboard and the Captain was not available, I was referred to the security officer. After describing my equipment, operating frequency, and power level, I was granted permission to operate.

UO-14 is a low orbit FM repeater type satellite that has a coverage area of about 4,000 miles in diameter. It has one channel of operation with an uplink on 2 meters and a downlink on 70 cm. It is very easy to access using low power, but the capture effect of FM sometimes makes low power operation difficult when the uplink is crowded. This is especially true on weekends. Operation through this satellite is more like a contest with users seeking new states, countries, and grid squares.

My FT-817 with 5 watts uplink power on 2 meters to a 19 inch whip on the front antenna port provided many solid contacts to Europe and North America during the transatlantic crossing. A homebrew 2 element quad plugged into the rear antenna port provided sufficient gain for the downlink. I was the subject of a few pile-ups from stations seeking rare ocean grid squares. Photos are located at:
<http://www.qsl.net/n5afv/gallery2.html>

When in Scotland I work enjoy working HF QRP CW and SSB using a 50 foot doublet and homebrew tuner.

73,

Gene W3PM GM4YRE
Huntsville, AL

Date: Mon, 21 Jul 2003 18:21:53 -0500
From: "Mike Duke, K5XU" <k5xu@jam.rr.com>
To: "qrp list" <qrp-l@lehigh.edu>
Subject: [154652] Radioworks Super Loop 40
Message-ID: <00c001c34fde\$e057f2a0\$9bd7a418@jam.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you use or have used this antenna, please share your thoughts about its performance, especially on 40 and 30 meters.

I'm only considering the 40 meter model since I don't have enough space for the 80.

Mike Duke, K5XU
American Council of Blind Radio Amateurs

Date: Mon, 21 Jul 2003 18:41:46 -0500
From: "Burl A. Keeton" <n5duq@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [154653] Fw: RE: Jupiter
Message-ID: <20030721.184148.-705061.10.n5duq@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

To All of you that answered my post on the Jupiter.

My friend wanted me to 'thank you'. He is out of town and will not be home until Thursday and will look over all the emails I will forward to him. Then he can contact you personally.

73

Burl Keeton N5DUQ

=====
----- Forwarded message -----
From: "Burl A. Keeton" <n5duq@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Date: Mon, 21 Jul 2003 09:29:57 -0500
Subject: RE: Jupiter
Message-ID: <20030721.092958.-705061.4.n5duq@juno.com>

Hi Gang, Monday morning July 21, 2003

A friend of mine is looking for a clean Ten Tec Jupiter. He has limited funds but wanted me to check the list to see if there is someone on the

list who perhaps has decided to sell theirs. Maybe someone bought a new rig and doesn't need the Jupiter any more.

Contact me at my email address please.

n5duq@juno.com (N5DUQ)

Burl Keeton

Date: Mon, 21 Jul 2003 20:39:45 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [154654] PIC Elmer Series?
Message-ID: <002301c34fe9\$c2517b40\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Gang,

Off and on there have been a lot of questions on the list about the PIC. I suspect there is a lot of inertia to getting started with this technology.

I've been toying with the idea of running an Elmer series on the PIC ... starting with some basics of what it is and how you design with it, then installing the development software, some completely inside the PC projects, then building a programmer and working with the actual part. The idea would be to have the parts list available up front so there is a few weeks of book learning while waiting for parts to arrive.

This is actually pretty low complexity stuff, so the total parts cost is likely to be on the order of \$30 it's nothing like building a rig. Might get a little higher if we end up with a project beyond the programmer, like a counter or LC meter or something like that. Haven't really sorted out how far to take the first go ... I was sort of thinking of keeping the first round to the basics, then maybe a second or third series to build a few things. Keyers are kind of nice projects, as are counters, LC meters, SWR meters, all sorts of potential.

So, the question to the group is whether there is enough interest to warrant an exercise like this, or is it really just a tiny number of folks who are pursuing this?

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Mon, 21 Jul 2003 19:47:40 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "George, W5YR" <w5yr@att.net>, <qrp-1@Lehigh.EDU>
Subject: [154655] RFD end effects on shield
Message-ID: <008201c34fea\$da583020\$4e100a0a@rohredt2000>

George, I have seen this shortening of the lower half of the coaxial antenna at two meters as well, on a coaxial half wave dipole with inline coil of coax as choke.

My current theory on this; as Alex has the same effect; is that the cable RF choke is also acting as a kind of base loading coil, foreshortening that half of the antenna. The insulation at 10m is not likely to make as much effect, but the cable choke being wound as a long solenoid, can be thought of as two inductors in series, one an RF choke, and one, a loading component.

Probably could fit the inductance of the cable choke partially to this theory.

72,
Stuart
K5KVH

Date: Mon, 21 Jul 2003 19:10:28 -0500
From: "Burl A. Keeton" <n5duq@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [154656] RE: Elecraft K-1 For Sale,
Message-ID: <20030721.200340.-705061.15.n5duq@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi guys, Monday PM July 22, 03 at 0003 Z

I have had my fun with this radio and now want something else to play with. The first one that send me a message they want it, gets it. It is clean, not one scratch on it, it has a 20 meter and 40 meter board. No problem, just want something else. \$315 Shipped and insured. Very clean.

Also, I have a Nor Cal 40A by Wilderness Radio in very good condition, now problem, no scratches as it is brushed aluminum. Works great. \$110 Shipped and insured to the first one that send me a message, gets it.

Money Order is the best and fastest way to pay. I have no other way. Except if a check, it must clear before shipping.

Burl Keeton N5DUQ

Date: Mon, 21 Jul 2003 20:13:58 -0500
From: "George, W5YR" <w5yr@att.net>
To: "Stuart Rohre" <rohre@arlut.utexas.edu>, <qrp-l@lehigh.edu>
Subject: [154657] Re: RFD end effects on shield
Message-ID: <01cf01c34fee\$87dd8bc0\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sounds reasonable to me, Stuart, plus the larger diameter of the lower half will produce a shortening effect. This could be really noticeable on 2 meters.

The traditional coax dipole, with the feedline run from the feedpoint at the center down through the lower section of tubing for decoupling, etc. also had this shortening effect since usually the lower tubing section was larger in diameter than the self-supporting upper half.

Got your beads all sacked up and placed where I will remember to pack them. I am bringing three sets if you know of anyone else that wants to try them.

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

----- Original Message -----
From: "Stuart Rohre" <rohre@arlut.utexas.edu>

To: "George, W5YR" <w5yr@att.net>; <qrp-1@Lehigh.EDU>
Sent: Monday, July 21, 2003 7:47 PM
Subject: RFD end effects on shield

> George, I have seen this shortening of the lower half of the coaxial
antenna
> at two meters as well, on a coaxial half wave dipole with inline coil of
> coax as choke.
>
> My current theory on this; as Alex has the same effect; is that the cable
RF
> choke is also acting as a kind of base loading coil, foreshortening that
> half of the antenna. The insulation at 10m is not likely to make as much
> effect, but the cable choke being wound as a long solenoid, can be thought
> of as two inductors in series, one an RF choke, and one, a loading
> component.
> Probably could fit the inductance of the cable choke partially to this
> theory.
> 72,
> Stuart
> K5KVH
>
>

Date: Mon, 21 Jul 2003 20:20:37 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <kr1st@amsat.org>, <qrp-1@Lehigh.EDU>
Subject: [154658] Delta Loop feeding
Message-ID: <015d01c34fef\$75182300\$4e100a0a@rohredt2000>

Alex, your answers to Delta Loop query are also on the L. B. Cebik web site.
<www.cebik.com>

For low angle DX use, feeding part way up one of the sides is preferred. I
know L. B. also discusses bottom feed, and probably top, although it has
been awhile since I read his posting. He also discussed them in his CoQRP
club magazine pieces, "Antennas from the Ground Up".

72,
Stuart
K5KVH

Date: Tue, 22 Jul 2003 01:22:29 +0000
From: ALAN.KAUL@att.net
To: Chuck Carpenter <w5usj@9plus.net>
Cc: qrp-1@lehigh.edu
Subject: [154659] Re: 40 Meter vertical PLUS 30 meters
Message-ID: <200307220122.h6M1MWZ2009014@rain.CC.Lehigh.EDU>

Thanks, Chuck, I stand corrected.

My mistake. The 30M wire radiator was not for the HF-6V, but for the HF-2V. The 23-foot wire sold separately as an accessory kit. The length of the HF-2V is over 30-feet, whereas the HF-6V, with coils, etc., is much shorter.

--

Alan Kaul W6RCL LaCanada, CA 91011
e-mail: w6rcl@amsat.org
<<http://home.att.net/~alan.kaul/index.html>>

> Alan,
>
> The 6V uses a coil and capacitor combination for 80, 40 and 30 meters. The
> entire length is 20 meters along with a coax matching section and the wire
> is a 15 meter stub.
>
>
> Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
> QRP-ARCI #5422, QRP-L #1306, QRPP-I #115, ARS #1280, SOC #57
> Zombie #759, COG #11, 6 Club #201, FP #601 oo <http://www.netxqrp.org>

Date: Mon, 21 Jul 2003 19:52:15 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-1@LeHigh.EDU>
Subject: [154660] Fox - Summer Fox Hunt Teams Results.
Message-ID: <Pine.LNX.4.33.0307211950340.21500-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt #11 - AC7A -

Wayne - K5E0A	Jerry - N9AW
Vern - AA50 *	Rick - NK9G
Wayne - N5YFC *	Jim - WA9TZE
Jim - N5IB *	Gary - W9XT
Mike - VA6MJT	and one more.

The NE-TX Tornados - 45

Lew - N5ZE *	
Joe - KK5NA *	Clean
Wayne - W5KDJ *	Sweep
Doc - W5TB *	
George - W5YR *	

...any corrections, please e-mail me direct...72 - Bruce (VE5RC+VE5QRP)

Date: Mon, 21 Jul 2003 19:54:03 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-1@LeHigh.EDU>
Subject: [154661] Fox - Summer Fox Hunt Teams Results.
Message-ID: <Pine.LNX.4.33.0307211952280.21500-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt #12 - K0FRP -

The Cajun Thunder - 36	The Cheeseheads - 0
Wayne - K5E0A	Jerry - N9AW
Vern - AA50 *	Rick - NK9G
Wayne - N5YFC *	Jim - WA9TZE
Jim - N5IB *	Gary - W9XT
Mike - VA6MJT	and one more.

The NE-TX Tornados - 50

Lew - N5ZE *
Joe - KK5NA * Clean
Wayne - W5KDJ * Sweep
Doc - W5TB *
George - W5YR *

...any corrections, please e-mail me direct...72 - Bruce (VE5RC+VE5QRP)

Date: Mon, 21 Jul 2003 20:04:49 -0600
From: Tim Groat <tcgroat@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [154662] Re: 40 Meter vertical PLUS 30 meters
Message-ID: <5.1.1.6.2.20030721195644.00a39030@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Yes, it's the same. The 30M resonator is a series L-C that shorts out part of the upper tuning coil. Mine is 19 years young, at least most of it i. I think it's still built the same way ;^) Very early versions used an encapsulated resonator for 15M; the stub came along later.

72,
--Tim (KROU)

>"George, W5YR" <w5yr@att.net>:

>

>I don't recall if my 6V used the same arrangement - that was nearly 30 years

>ago! <:{

Date: Mon, 21 Jul 2003 21:16:01 -0700
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [154663] Wein Bridge Whining Halted
Message-ID: <00c501c35007\$f5afacf0\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OK, finally got it going. Whew, I thought this was going to be a 'plug & play' circuit. Not exactly.

Here's the fix, for those of you desperate enough for entertainment to read it. ;^)

The "book" circuit seemed like it wanted the FET to be too "big" a resistor, maybe 3 k or so. That gets up there toward pinch-off. Huge resistance changes for small voltage changes up there. Also, that also puts a lot of voltage swing across the FET. That "FET as resistor" business is supposed to work best with small swings. I decided to re-do the circuit so the JFET would only have to be a few hundred ohms, using a big series resistor to make up the rest. Now I'm in a more controllable range of JFET resistances, and I'm also keeping the drain to source AC voltage low. That meant a gate voltage of around -2 volts or so. I also put a 680 ohm resistor in parallel with the FET just to keep it real. Or maybe because I saw something like that in a book.

To get systematic, I disconnected the feedback to the gate and set it at -2.3 volts with a pot. I also simulated the series resistor with another pot. Measured the pot's resistance at the point where a pretty sine wave is on the verge of collapse. Substituted a fixed resistor. (This actually took a couple of tries.) Verified that by varying the gate voltage I could get that nice sine wave, so we should be within capture range.

The moment of truth--hooked the feedback back to the gate and let 'er run in full auto. What a shock--it came up with a nice sine wave and a gate voltage of -1.73 volts. So I'm getting 10.2 volts peak to peak out and the frequency of 905.5 Hz is staying within 0.1 Hz or so. I can't measure distortion, but the waveform looks good enough.

I don't understand everything yet. The voltage division on the controlling node is about 2:1 when it should be 3:1 by theory, to match the frequency determining node. Guess the empirical has its place.

I work with feedback control systems some in my work, and I know that a feedback loop can be pretty forgiving of system variations in general. That's why I figured this thing would just take off. But you have to give

it a fighting chance, I reckon.

A couple of folks recommended Jim Williams' fine article on the Wein Bridge oscillator in EDN's book "Analog Circuit Design: Art, Science, and Personalities". It happens that I have that book and I also recommend it for entertainment as well as for technical insights.

Speaking of the old original HP audio generator (the first instrument HP ever marketed) ... I downloaded a schematic for my Heath IG-72 audio oscillator (which needs work) and I see that it's using the old light bulb in the cathode feedback circuit trick too. No doubt patterned after the HP ...

And there you have it. Another case solved, Watson.

72--Nick, WA5BDU

Date: Mon, 21 Jul 2003 21:53:21 -0500
From: "pschweit" <pschweit@mninter.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [154664] Yagi Design
Message-ID: <004b01c34ffc\$6aa8b4e0\$33e8add1@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Is there a source for design information which:

- #accounts for element diameter at a given frequency.
- #enables predictive performance information on bandwidth, gain, and efficiency
- #produces both element placement and element lengths on a boom

please help

de
KA0PGQ

Date: Mon, 21 Jul 2003 20:13:50 -0700
From: K7V0 <k7vo@earthlink.net>

To: qrp-1@lehigh.edu
Cc: kh7l@yahoo.com
Subject: [154665] HT-750 back in production!
Message-ID: <20030721201350.032239da.k7vo@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Hi, everyone,

Per Nobuki-san at THP:

> We are running now limited quantity production as a final one,
> that should come out around mid August.

So, there will be one more opportunity, starting next month, to buy a brand new HT-750 from the factory. I've asked him to let me know when they are in stock and available for purchase.

72/73,
Caity
K7VO

Date: Mon, 21 Jul 2003 20:17:30 -0700 (PDT)
From: Lee Boulineau <n4mvl@yahoo.com>
To: pschweit@mninter.net,
 Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [154666] Re: Yagi Design
Message-ID: <20030722031730.57253.qmail@web21204.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Try the MMANA antenna modeler software from Mako - it's free and there is a library of designs to work from. I played around with a 3-el dual-band 6m/10m beam design today - I'll be using the results as a rough guide to building one!!

73 de N4MVL

Lee

--- pschweit <pschweit@mninter.net> wrote:

> Is there a source for design information which:
>
> #accounts for element diameter at a given frequency.
> #enables predictive performance information on
> bandwidth, gain, and
> efficiency
> #produces both element placement and element lengths
> on a boom
>
> please help
>
> de
> KA0PGQ
>

Do you Yahoo!?
Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Tue, 22 Jul 2003 03:34:21 GMT
From: hamjoel@juno.com
To: fpqrp-1@mpna.com, qrp-1@Lehigh.EDU
Subject: [154667] 40 meter rtty and PSK tonie
Message-ID: <20030721.203433.506.490286@webmail03.lax.unttd.com>
Mime-Version: 1.0
Content-Type: text/plain

High y'all
ah done found rtty on 7.070 and then ah saw some psk signals and started working
psk with all that qrn on forty meters tonight...
most folk were running 15 watts psk on 40... however the k2 held its own with
that wire beam....
guess now I can gear up for 40 & 30 mtr activity... hope to c u on 40 rtty or
psk

KE1LA JOEL
IN MAINE
FREEZIN

The best thing to hit the internet in years - Juno SpeedBand!
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Date: Mon, 21 Jul 2003 22:53:13 -0500
From: "George, W5YR" <w5yr@att.net>
To: <pschweit@mninter.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [154668] Re: Yagi Design
Message-ID: <023701c35004\$c742f050\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

ARRL Antenna Book and accompanying CD programs. There is a fair number of Yagi design programs available. Check Google and see what you find.

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

----- Original Message -----

From: "pschweit" <pschweit@mninter.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, July 21, 2003 9:53 PM
Subject: Yagi Design

> Is there a source for design information which:
>
> #accounts for element diameter at a given frequency.
> #enables predictive performance information on bandwidth, gain, and
> efficiency
> #produces both element placement and element lengths on a boom
>
> please help
>
> de
> KA0PGQ
>

Date: Tue, 22 Jul 2003 03:56:59 +0100
From: The Wheelers <rains@digisys.net>
To: qrp-1@Lehigh.EDU
Subject: [154669] SuSe 8.2 Pro
Message-ID: <3F1CA7FB.5030008@digisys.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

When I received my disks from Doug I offered to do a couple sets for others, I only had one taker. I will still do a couple more sets for someone, mailing won't be until next monday due to a three day on, three day off job. I will do two more sets if I have a snail mail address to send them to.

Vern, N7SPK

Date: Tue, 22 Jul 2003 00:18:00 -0400
From: "George Heron N2APB" <n2apb@erols.com>
To: "NoVAQRP" <NoVaQRP@topica.com>, "NJQRP" <njqrp@njqrp.org>, "QRP-L" <qrp-1@Lehigh.EDU>, "EPA-QRP" <EPA-QRP@yahooogroups.com>
Cc: <n2apb@amqrp.org>, <ki6ds@amqrp.org>, <ak1p@amqrp.org>, <n2cx@amqrp.org>, <wa6ger@amqrp.org>
Subject: [154670] HOMEBREWER subs accepted by PayPal
Message-ID: <00d201c35008\$3efc2be0\$0c46cfd8@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Great news folks ... the AmQRP is now set up to accept HOMEBREWER Magazine subscription orders by PAYPAL. Many people have been asking for this and now that we've got the AmQRP incorporation papers and bank accounts in place, we can start accepting orders more readily.

Also, check out the HOMEBREWER web page to see the cover of our first issue, due out on August 15th. You'll see a sampling of the articles and regular columns listed there in bold Red, White and Blue colors :-)

And what a lineup of authors we have in store! N2CX, K7SZ, KI6SN, K7Q0, W0MQY, WB7AEI, WA2DJN, N2APB, AC00G, KA5DVS, N2CQ, WB3AAL, WD6CSV, W0CH, KI6DS, NF0R, K8IQY, HB9ARK, NK0E, W2BCH, W5JH, KC5WA, WA7JHZ, NB6M and W6EMD. With this cast of contributors, we cover homebrewing (lots of it!), as well as operating, portable antennas, QRP in the great outdoors, rig restoration, contesting, club news and full catalog listings of the kits from NJQRP, NorCal and Four State QRP groups.

Finally, we're in the final stages of editing the magazine and it's going to the printer next weekend. Since this is the time we also submit the mailing labels for the issue, this is the last week you'll have to sign up for a charter subscription. Believe me, it just won't be the same downstream if you don't have the first issue of HOMEBREWER.

So visit the HOMEBREWER web page at <http://www.amqrp.org/homebrewer/homebrewer.html> to subscribe by PayPal or snail mail, check out the cover, and join in on the fun of QRP homebrewing with the AmQRP.

73 from the AmQRP leadership team:

George N2APB n2apb@amqrp.org
Doug KI6DS ki6ds@amqrp.org
Joe N2CX n2cx@amqrp.org
Paul AK1P ak1p@amqrp.org
Jim WA6GER wa6ger@amqrp.org

PS: We will soon have the NorCal kits orderable by PayPal as well. (NJQRP orders can already be accepted in this manner.)

Date: Mon, 21 Jul 2003 22:16:57 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [154671] Re: HOMEBREWER subs accepted by PayPal
Message-ID: <MABBJOEABOILMKCJCLFCCEIDEJAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

George

Nice cover. Looks very professional. Obviously you all have done a lot of work on it already. Looking forward to the first issue.

Good luck and 73

Bob N6WG

Date: Tue, 22 Jul 2003 07:21:48 GMT
From: Hubert Smits <hubert.smits@zen.co.uk>
To: "John J. McDonough" <wb8rcr@arrl.net>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: Hubert Smits <hubert.smits@zen.co.uk>
Subject: [154672] Re: PIC Elmer Series?
Message-ID: <E19erT3-0004WJ-1S@heisenberg.zen.co.uk>
Content-Type: text/plain;
charset="ISO-8859-1"
Content-Transfer-Encoding: 8bit

Hi John,

I would appreciate such a class and would participate. I like your idea to start with the simple stuff, and leave the more complex issues for a potential next run. Some thoughts and ideas:

- what knowledge do you expect from participants, eg. programming abilities. I've done programming myself, but there will be complete newbies to programming.
- is it an idea to link to the HC809 daughtercard project from amQRP? That would give participants a popular and well supported platform for the future. The downside is the increased costs.

Happy to help you where I can.

72 de Hubert - MM0GMM

-- Original Message --

From: "John J. McDonough" <wb8rcr@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Send: Mon, 21 Jul 2003 20:39:45 -0400
Subject: PIC Elmer Series?

Gang,

Off and on there have been a lot of questions on the list about the PIC. I suspect there is a lot of inertia to getting started with this technology.

I've been toying with the idea of running an Elmer series on the PIC ... starting with some basics of what it is and how you design with it, then installing the development software, some completely inside the PC projects, then building a programmer and working with the actual part. The idea would be to have the parts list available up front so there is a few weeks of book

learning while waiting for parts to arrive.

This is actually pretty low complexity stuff, so the total parts cost is likely to be on the order of \$30 it's nothing like building a rig. Might get a little higher if we end up with a project beyond the programmer, like a counter or LC meter or something like that. Haven't really sorted out how far to take the first go ... I was sort of thinking of keeping the first round to the basics, then maybe a second or third series to build a few things. Keyers are kind of nice projects, as are counters, LC meters, SWR meters, all sorts of potential.

So, the question to the group is whether there is enough interest to warrant an exercise like this, or is it really just a tiny number of folks who are pursuing this?

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: 22 Jul 2003 12:04:59 +0300
From: Paul <mooney@cytanet.com.cy>
To: "John J. McDonough" <wb8rcr@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [154673] Re: PIC Elmer Series?
Message-ID: <1058864699.3397.1.camel@paul.and.jeanette>
Content-Type: text/plain
Mime-Version: 1.0
Content-Transfer-Encoding: 7bit

On Tue, 2003-07-22 at 03:39, John J. McDonough wrote:

> Gang,
>
> Off and on there have been a lot of questions on the list about the PIC. I
> suspect there is a lot of inertia to getting started with this technology.
>
> I've been toying with the idea of running an Elmer series on the PIC ...
> starting with some basics of what it is and how you design with it, then
> installing the development software, some completely inside the PC projects,
> then building a programmer and working with the actual part. The idea would

> be to have the parts list available up front so there is a few weeks of book
> learning while waiting for parts to arrive.
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> This is actually pretty low complexity stuff, so the total parts cost is
> likely to be on the order of \$30 it's nothing like building a rig.
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> like a counter or LC meter or something like that. Haven't really sorted
> out how far to take the first go ... I was sort of thinking of keeping the
> first round to the basics, then maybe a second or third series to build a
> few things. Keyers are kind of nice projects, as are counters, LC meters,
> SWR meters, all sorts of potential.
>
> So, the question to the group is whether there is enough interest to warrant
> an exercise like this, or is it really just a tiny number of folks who are
> pursuing this?
>
> 72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
> didileydadidah QRP-L #1446 Code Warriors #35
>

Put me down as a definite!

I'm sending this via newsgroup rather than direct so I can publicly
thank you for your offer.

Paul M.

Date: Tue, 22 Jul 2003 06:30:59 -0400
From: John Seney <wd1v@amsat.org>
To: qrp-l@lehigh.edu
Subject: [154674] Cubex Quad Experience?
Message-ID: <p05210604bb42c29928db@[24.62.178.10]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Anyone have experience with Cubex Quad antennas? interested in pro/con
comments - all welcome!

73,

John, WD1V

Date: Tue, 22 Jul 2003 07:39:10 -0400

From: "w8diz" <w8diz@cinci.rr.com>
To: <qrp-1@Lehigh.EDU>
Subject: [154675] Freq Reference Kit update
Message-ID: <006601c35045\$de47f890\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Gang,

Those of you using PAYPAL to buy the Freq Reference Kit,
my ID is kitsales@kitsandparts.com (\$17.00 shipping included)

<http://partsandkits.com/fref.gif>
<http://partsandkits.com/frefpcb.gif>
<http://partsandkits.com/frefbom.txt>

PS: The unit can only be calibrated under power.
That means you must build it first <grin>.
I can not calibrate the TCXO before shipment.

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>

Date: Tue, 22 Jul 2003 07:50:59 -0400
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [154676] Re: [fpqrp] HB: 40 Meter vertical PLUS 30 meters
Message-ID: <E1F0152638DBD311AEF700D0B74455E2715DBE@exchange_nh.allegromicro.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

A while ago I had some good luck with using about 45 degree spacing on wire vertical elements. I had a 20m/15m vertical, and it seemed to work fine w/little interaction. However, when I added 17m and shrunk the angle of seperation to about 30 degrees, it would work fine on 20m and not on the other two bands.

Although putting your antennas up at a deliberate 45 degree angle might look funny, I suspect that it shouldn't have too much effect on antenna performance. I wonder how much it changes for something like that? I

wonder if you can make a quickie antenna setup and find how narrow the angle can be?

KB1CKT

Date: Mon, 21 Jul 2003 13:49:03 -0500
From: "George, W5YR" <w5yr@att.net>
To: "w8diz" <w8diz@cinci.rr.com>, <qrp-1@lehigh.edu>,
<fpqrp-1@mpna.com>
Subject: [154637] Re: [fpqrp] HB: 40 Meter vertical PLUS 30 meters
Message-ID: <00c801c34fb8\$c2df0b80\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Diz, I did the same thing with a ground-mounted 40 and 30 meter pair fed in parallel and spaced about 24 ". Tuning was a nightmare and even then, performance was not what would be expected. Might work OK up in the air, but with a two inch spacing, I would expect problems.

Feedpoint impedance measured with the AEA CIA-HF analyzer was all over the lot for both bands with an extreme amount of interaction between the two antennas even with 2 ft of spacing.

Remember it is hard to tune things 33 ft in the air without taking them down, making an adjustment, putting them back up, testing, taking them down, etc. etc. Without a tuner to compensate for the small effects, this can get tedious, especially with another antenna so close.

Sorry to sound negative, but my version was very unsuccessful though different.

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"

Date: Tue, 22 Jul 2003 08:25:12 -0400

From: "w8diz" <w8diz@cinci.rr.com>
To: <qrp-1@Lehigh.EDU>, <fpqrp-1@mpna.com>
Subject: [154677] Re: [fpqrp] HB: 40 Meter vertical PLUS 30 meters
Message-ID: <008701c3504c\$4c78fd40\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Thanks to all for your info on my antenna construction attempt.
I will build the dual radiator version and report the results.

PS: If f it does not work, I'll do a trap for 30 meters :)

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>

----- Original Message -----

From: "w8diz" <w8diz@cinci.rr.com>
To: <qrp-1@Lehigh.EDU>; <fpqrp-1@mpna.com>
Sent: Monday, July 21, 2003 2:21 PM
Subject: [fpqrp] HB: 40 Meter vertical PLUS 30 meters

Hi Gang,

I think I know the answer to this but...

I'm in the process of building/erecting a 40 meter vertical.
It will be a full size vertical, 33' with four radials
pointing down 45 deg from the horizontal. Feedpoint elevation
will be 33 feet. This antenna should give me very near 50 ohms.

So the question is...

Can I add a 23 foot element and several 23 foot radials
in parallel to the 40 meter sections using the same feedpoint?
I was thinking of spacing the 23' vertical piece about 2"
from the 40 meter section.

This will be fed with RG8X; No tuner in line with XMTR.
Also, the radials will also be used for antenna support.

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>

-To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-1 -

Date: Tue, 22 Jul 2003 05:55:27 -0700 (PDT)
From: R F Hotz <42hotrodz@sbcglobal.net>
To: rohre@arlut.utexas.edu,
 Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [154678] Re: Delta Loop feeding
Message-ID: <20030722125527.23316.qmail@web80105.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

That's indeed correct about moving the feedpoint up one of the sloping sides, away from corner. In fact, the design I found to be optimum was a 1:1:1.4 sloping sides to horizontal leg dimension. This ratio makes the two sloping sides radiate essentially like a pair of phased verticals. Wish I still had the real estate available for a loop. They're hard to beat, both receiving wise and transmitting wise.

GL,

Rod
K5BGB

Date: Tue, 22 Jul 2003 08:40:21 -0400
From: kwike@gdls.com
To: qrp-1@Lehigh.EDU
Subject: [154679] Michigan QRP Net
Message-ID: <0F3C949EB9.7DDFFA88-0N85256D6B.00456AA4@gdls.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

We had ten check-ins last week. Conditions were fair with some summertime QRN.

	S	R		
K8CV	599	599	ROYAL OAK	MI WALT
WA8REI/P	599	599	FREELAND	MI KEN
W2SH	349	349	MILLINGTON	NJ CHARLES
W8IQB	559	S5	BRISTOL	MI LOWELL

WA8BXN 589 589 CLEVELAND OH MIKE
AF8X 589 579 MOUNT CLEMENTS MI DICK
WA9PWP 569 469 STOUGHTON WI PAUL
KB8BO 599 599 WEST BLOOMFIELD MI JOE
VE3JC 589 569 LONDON ONT JOHN
W9YA 229

The Michigan QRP Net meets on Tuesday nights at 9:00 PM Eastern time on
3.535 MHz. All hams are welcome.

Ed AB8DF

Date: Tue, 22 Jul 2003 09:38:27 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [154680] August QST Article: RADIALS
Message-ID: <29.44cd2d58.2c4e9853@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I read the article with great interest and still a bit confused. there are
several articles published that discuss OPTIMIZING radials for performance. If I
remember correctly, posts on this reflector discussed that OPTIMIZED radial
system was about 12-16 1/8w/ ground radials.

Some thoughts expressed in the past has stated that radials need to be not
longer than the vertical radiator's height.

MOXON in his book HF ANTENNAS FOR ALL LOCATIONS on page 43 under topic GROUND
PLANE ANTENNAS has another perspective on number and length of radials.

Ralph Holland VK1BRH has a paper discussing use of about 4 elevated radials
(about 0.05wl) in the range of 0.1-0.15 wl
<http://www.arising.com.au/people/Holland/Ralph/index.htm>

Although I have tried about all the methods I have compromised and use 12
16ft radials for 40-10m. I am sure actual ground conditions and QTH location will
have a variable affect but I was wondering what you folks subscribe to in the
way of radials?

Alan KB7MBI in Woodinville, WA
FISTS 5702 / ARS / Proud member of ARRL
--- --- --- --- DIT DIT

Date: Tue, 22 Jul 2003 10:08:50 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [154681] Ralph Holland's paper on Short Verticals and Ground Systems
Message-ID: <105.3333aba7.2c4e9f72@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Regarding my note/question on radials, this will get you directly to Ralph Holland's paper
<http://www.arising.com.au/people/Holland/Ralph/ShortVert.htm>

Alan KB7MBI in Woodinville, WA
FISTS 5702 / ARS / Proud member of ARRL
--- --- --- --- DIT DIT

Date: Tue, 22 Jul 2003 07:16:44 -0700 (PDT)
From: Gary Slagel <gdslagel@yahoo.com>
To: QRP L <qrp-1@Lehigh.EDU>
Cc: wd1v@amsat.org
Subject: [154682] Re: Cubex Quad Experience?
Message-ID: <20030722141644.93415.qmail@web11605.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

John,

I bought a used cubex quad at a swapfest about 6 or 7 years ago. Its a 2 element 3 band, 10/15/20. I think they're all the same... about a 10 foot boom with about 16' spreaders on each end and 3 wires on each end... one for each band.

I'm really impressed with the construction. I live at about 8300' elevation in the colorado rockies so its gone through 7 years of pretty severe winters. The only maintenance I've done is to replace one of the spreaders cuz I broke it leaning the mast over once (easy to get cubex to ship me another one too). Other than that the wires, spreaders, everything has been fine for 7 years.

I just brought the 3 driven elements together at the

feedpoint and feed all the antennas with a single 450 ohm balanced feedline. I don't think this is probably optimum but I is REALLY easy to do if you've already got a tuner. I use one of the big mfj tuners... can't remember the model for sure now but I think 949. I can tune it on all bands, including WARC, 10 thru 40. I get really good front to back on 20 and not quite so good on 15. 10 I've not worked enough to even know. Of course the rest of the bands I don't think I get any directivity but its sure nice to be able to load them. Also works nice for me cuz I've got a ton of trees all around and I need a small turning radius to fit between them (did I say mebbe not the optimal situation hihi).

Good luck and hope to hear you wid ur quad some day.

73,Gary

--- John Seney <wd1v@amsat.org> wrote:
> Anyone have experience with Cubex Quad antennas?
> interested in pro/con
> comments - all welcome!
>
> 73,
>
> John, WD1V

=====

Gary Slagel/N0SXX
Conifer, CO
<http://gdslagel.bravepages.com>

Do you Yahoo!?

Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Tue, 22 Jul 2003 07:50:17 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [154683] Re: August QST Article: RADIALS
Message-ID: <MABBJOEABOILMKCJCLFCMEIIEJAA.n6wg@earthlink.net>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Alan

I'm not really using true radials. My 160m vertical sits in the center of my back fence,
so instead I'm using an elevated counterpoise. All my "radials" run parallel to each other from the top of the back fence to the back edge of the house roof, then lay on the roof to the front of the house.

I did a lot of modeling with EZNEC, and this is the most effective system I've come up with so far. As to effectiveness, I lack only RI to complete QRP WAS on 160m. Hope to pull that off this winter.

Good luck and 73
Bob N6WG

Date: Tue, 22 Jul 2003 09:49:49 -0500
From: mark.milburn@juno.com
To: qrp-1@lehigh.edu
Subject: [154684] The Iowa QRP Club CW Net
Message-ID: <20030722.095027.-1481575.0.MARK.MILBURN@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The Iowa QRP Club CW Net will be held on or around 7.112 Wednesday night at 8 PM Iowa time, or Thursday morning 0100Z. Join us if you can.

72 Mark KQ0I
Des Moines, Iowa

Date: Tue, 22 Jul 2003 11:42:02 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [154685] On line License renewal
Message-ID: <3.0.6.32.20030722114202.007bd410@mailhost.ncia.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Man, it's hard to believe it was time to renew my license. Of course, I got the letter from W5YI and could have sent them the six bucks, but I decided to try doing the FCC web site thing. It really wasn't very difficult, took maybe 1/2 hour to figure out what to do and do it. So, guess I'm set for another 10 years, if the piece of paper actually shows up in my mailbox<g>

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Tue, 22 Jul 2003 11:54:15 -0400
From: "George Heron N2APB" <n2apb@erols.com>
To: "NoVAQRP" <NoVaQRP@topica.com>, "NJQRP" <njqrp@njqrp.org>,
"QRP-L" <qrp-l@lehigh.edu>, "EPA-QRP" <EPA-QRP@yahooogroups.com>
Subject: [154686] HOMEBREWER subs flying in!!
Message-ID: <003001c35069\$da0bcb20\$d0ca9cce@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The response has been incredible to last night's email announcing that we activated PayPal for subscribing to HOMEBREWER Magazine. It seems many are indeed wanting to ensure that they in on the ground floor with the first issue of the AmQRP flagship publication. As you know with other magazines, the overprinting of the first issue normally goes very fast, which means that once the charter subscribers get their issues, the printed version of that very first issue is history and subscription orders coming afterwards then start with issue #2.

Here's a common question being asked: "How do I know I got in with a charter subscription to HOMEBREWER?"

ANSWER ... All subscription orders received this week via PayPal or postal mail will indeed start with the first issue of HOMEBREWER Magazine. Confirmation of this will be in the form of your receiving a standard email message from PayPal indicating a successful electronic transaction (if you subscribed this way), and/or by you checking the Subscription Status web page (<http://www.amqrp.org/homebrewer/substatus.html>) next Monday morning to ensure that your name/address is in the official database of labels being generated for the mailing.

If you have any questions about your subscription, please first check the Subscription Status web page to see if you are listed in the database. Please keep in mind that it will take 24-48 hours during the week for updates to be made in that database. If you have any questions about your subscription status, please contact Paul Maciel, AK1P at ak1p@amqrp.org .

By the way, the address on your PayPal account is used as the shipping address for your subscription - hence there's no separate field for you to enter your shipping information. I'm looking to improve these automated PayPal payment forms by adding a field for your callsign.

Also, as noted on the subscription pages, if you wish to manually use PayPal to submit a subscription order, instead of using the automated buttons, just go to www.paypal.com yourself and send your payment to homebrewer@amqrp.org

Thanks for the great interest and support in the American QRP Club's publication: HOMEBREWER Magazine!

73, George N2APB

Date: Tue, 22 Jul 2003 12:02:57 -0400
From: "David Hinerman" <WD8CIV@worldnet.att.net>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [154687] RE: On line License renewal
Message-ID: <000001c3506a\$b7fc3320\$7a032a0a@nyroc.ametek.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Steve,

I did mine last month, and I got the new wallpaper in about a week.

As always, YMMV.

Dave

David Hinerman WD8CIV
wd8civ@worldnet.att.net

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Steven Weber
> Sent: Tuesday, July 22, 2003 11:42 AM
> To: Low Power Amateur Radio Discussion
> Subject: On line License renewal
>
>
> Man, it's hard to belive it was time to renew my license. Of course, I got
> the letter from W5YI and could have sent them the six bucks, but I decided
> to try doing the FCC web site thing. It really wasn't very difficult, took
> maybe 1/2 hour to figure out what to do and do it. So, guess I'm set for
> another 10 years, if the piece of paper actually shows up in my mailbox<g>
>
> 72,
> Steve, KD1JV
> "Melt Solder"
> White Mountains of New Hampshire
> <http://www.qsl.net/kd1jv/>

Date: Tue, 22 Jul 2003 17:07:48 +0100
From: Chuck Adams <k7qo@commspeed.net>
To: qrp-1@lehigh.edu
Subject: [154688] Ft Tuthill night watch
Message-ID: <5.2.1.1.0.20030722165014.00b24db8@mail.commspeed.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I know that this group has secondary hobbies. One of them being astronomy.

If you are coming to Ft Tuthill and have a telescope that you can bring with you, then please do so. This idea mainly for those that are driving.

There are several reasons for this. The first being that Flagstaff is the home of the Lowell Obs. and the county has good ordinances on lighting and hopefully this will aid in viewing at night. Secondly. At 7,000' ASL the skies will be significantly better for viewing (provided the monsoon

season which just started doesn't interfere). And the serious astronomers can move over to Snow Bowl for close to 10,000' viewing and much colder temps BTW.

And most importantly of all. Mars will soon be as close as it has ever been in 60,000 years. The closest time will be around Aug 27th, but now is a good time also. Mars comes up a little after 10pm. It's been cloudy here at night for the past week. :-(

I'll try to bring my 10" Dobs if I can figure out how to pack every thing and not have to leave it out while waiting for the hotel room.

This viewing for both Friday and Saturday nights.

I don't need to remind the regulars to Tuthill to bring the sun block and the rain gear..... :-) You won't need the sun block for Mars but you will during the day because of the altitude and the increased UV radiation at those levels EVEN when it's partly cloudy. This at frequencies above 4GHz and above QRP levels. :-)

FYI

Chuck Adams K7QO k7qo@commspeed.net
<http://www.qsl.net/k7qo> CP-60

Date: 22 Jul 2003 19:23:41 +0300
From: Paul <mooney@cytanet.com.cy>
To: n2apb@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [154689] Re: HOMEBREWER subs flying in!!
Message-ID: <1058891021.1970.7.camel@paul.and.jeanette>
Content-Type: text/plain
Mime-Version: 1.0
Content-Transfer-Encoding: 7bit

On Tue, 2003-07-22 at 18:54, George Heron N2APB wrote:
> The response has been incredible to last night's email announcing that we
> activated PayPal for subscribing to HOMEBREWER Magazine. It seems many are
> indeed wanting to ensure that they in on the ground floor with the first
> issue of the AmQRP flagship publication. As you know with other magazines,
> the overprinting of the first issue normally goes very fast, which means

> that once the charter subscribers get their issues, the printed version of
> that very first issue is history and subscription orders coming afterwards
> then start with issue #2.
> <SNIP>PayPal payment forms by adding a field for your callsign.
>
> Also, as noted on the subscription pages, if you wish to manually use PayPal
> to submit a subscription order, instead of using the automated buttons, just
> go to www.paypal.com yourself and send your payment to homebrewer@amqrp.org
>
> Thanks for the great interest and support in the American QRP Club's
> publication: HOMEBREWER Magazine!
>
> 73, George N2APB
>
>

Hi George,

Many thanks for your and all the teams work.

Could I have your advice please, PayPal froze my account & I can't use them. I presently an overseas subscriber & the post isn't that reliable. What should I do to ensure my first issue?

BTW I'll repeat my warning about Paypal - get the money out as soon as possible, they do freeze accounts and you cannot access the cash unless you are willing and/or able to go through their checks. Look at the warning pages on the net.

Paul M

Date: Tue, 22 Jul 2003 09:33:26 -0700 (PDT)
From: Mark Prather <wb9hfk@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [154690] TKit 1330 question
Message-ID: <20030722163326.92046.qmail@web41211.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Can anyone tell me the what IF the Ten Tec 1330 uses???

Thanks!

73,

Mark

=====

Mark Prather - WB9HFK

Do you Yahoo!?

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<http://sitebuilder.yahoo.com>

Date: Tue, 22 Jul 2003 09:46:31 -0700
From: Elliott Lawrence <edl@pacbell.net>
To: Low Power/QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [154691] New Test Instrument
Message-ID: <3F1D6A67.39546C8F@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

I have been a long time user of the AADE L/C meter and have been pleased with it's operation. I recently acquired a very compact and versatile LCR component tester manufactured by Peak Electronics in the UK. It is identical in size to the semiconductor tester they also make. I wouldn't build anything without first verifying the value of every component before installation. It beats having to find the problem after the fact!

One interesting accessory is a SMD probe. It replaces the standard probe and easily grabs and measures SMD components. They take orders via the Internet and ship immediately. Delivery time to the west coast under a week by Post. Check out their website:
<http://www.peakelec.co.uk/acatalog/index.html>

Just a satisfied customer.

72

Elliott WA6TLA

Date: Tue, 22 Jul 2003 11:49:02 -0500
From: "Pat Whelton" <pwhelton@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [154692] Re: Cubex Quad Experience?
Message-ID: <004f01c35071\$283b3040\$8901a8c0@Earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi John. I had one in the late 70's and early 80's. I had it on a 37' crank up tower. Mine was for 10/15/20 meters and had solid spreaders and an 8 foot boom. I worked a ton of DX with it and finally lost a spreader to a Hurricane in '83. It's a good antenna. You should enjoy it.

Pat - KZ5J

----- Original Message -----

From: "John Seney" <wd1v@amsat.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, July 22, 2003 5:30 AM
Subject: Cubex Quad Experience?

> Anyone have experience with Cubex Quad antennas? interested in pro/con
> comments - all welcome!
>
> 73,
>
> John, WD1V

Date: Tue, 22 Jul 2003 13:06:00 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [154693] RE: Ft Tuthill night watch
Message-ID: <721D3436A7C2B344A301FD4A413C71A9016F35A1@kosh.arrlhq.org>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

> I don't need to remind the regulars to Tuthill to bring the
> sun block and the rain gear..... :-) You won't need the sun block
> for Mars but you will during the day because of the altitude and

> the increased UV radiation at those levels EVEN when it's
> partly cloudy. This at frequencies above 4GHz and above QRP
> levels. :-)

Those of you who remember my bright red face from my last visit will =
have this reinforced. :-) Not as bad as the time this Yankee skin spent =
3 days in the Alabama sun! Man, did they laugh at me!!!

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: Chuck Adams [mailto:k7qo@commspeed.net]
> Sent: Tuesday, July 22, 2003 12:08 PM
> To: Low Power Amateur Radio Discussion
> Subject: Ft Tuthill night watch
>=20
>=20
>=20
> Gang,
>=20
> I know that this group has secondary hobbies. One of
> them being astronomy.
>=20
> If you are coming to Ft Tuthill and have a telescope that
> you can bring with you, then please do so. This idea mainly for
> those that are driving.
>=20
> There are several reasons for this. The first being that
> Flagstaff is the home of the Lowell Obs. and the county
> has good ordinances on lighting and hopefully this will aid in
> viewing at night. Secondly. At 7,000' ASL the skies will
> be significantly better for viewing (provided the monsoon
> season which just started doesn't interfere). And the
> serious astronomers can move over to Snow Bowl for close
> to 10,000' viewing and much colder temps BTW.
>=20
> And most importantly of all. Mars will soon be as close as
> it has ever been in 60,000 years. The closest time will be around
> Aug 27th, but now is a good time also. Mars comes up a little

> after 10pm. It's been cloudy here at night for the past week. :-(
>=20
> I'll try to bring my 10" Dobs if I can figure out how to pack
> every thing and not have to leave it out while waiting for
> the hotel room.
>=20
> This viewing for both Friday and Saturday nights.
>=20
> I don't need to remind the regulars to Tuthill to bring the
> sun block and the rain gear..... :-) You won't need the sun block
> for Mars but you will during the day because of the altitude and
> the increased UV radiation at those levels EVEN when it's
> partly cloudy. This at frequencies above 4GHz and above QRP
> levels. :-(
>=20
> FYI
>=20
>=20
>=20
>=20
> Chuck Adams K7QO k7qo@commspeed.net
> <http://www.qsl.net/k7qo> CP-60=20
>=20
>=20

Date: Tue, 22 Jul 2003 13:16:13 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [154694] Re: August QST Article: RADIALS
Message-ID: <3F1D715D.10330314@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I think you will find much variation in number and length recommended simply due to WHEN THE ARTICLE WAS WRITTEN. I am also sure that all these gentlemen would tell you to use CURRENT RESEARCH in making decisions about what to use.

In the past I have successfully used four radials, but that was in a place where I paid a yearly tax to keep the ground water pumped at least 18 inches below the ground level! I also had success with a four radial ground plane with a roof mounted vertical in the same location.

If I were doing the same thing today, where I live today, I would probably try burying 16 radials of .125 - .25 wavelength, depending on

where I was able to install the antenna. But that still follows current recommendations.

73

Date: Tue, 22 Jul 2003 10:21:50 -0700
From: w5jh@swlink.net
To: qrp-1@lehigh.edu
Subject: [154695] FORT TUTHILL is EMINENT
Message-ID: <200307221721.h6MHLnn18891@newbambam.interwrx.com>

The Ft. Tuthill QRP HAMFEST and Az State ARRL Convention is THIS coming weekend! You still have time to make those plans to get here! If nothing else has piqued your interest in Ft. Tuthill, the following information about another of our speakers and his presentations should do it!!

We are delighted to introduce Ron Sparks, AG5RS, as our guest to speak in TWO back-to-back sessions on How to Get Started with Antenna Modeling and Modeling Stealth Antennas. If you missed these presentations at the ARRL National Convention in Arlington, TX, now is your chance to learn how to get started designing and trying out those antennas before you put them up for their final tweaking.

"Ron's fascination with electricity began at about age 2 when he poked about at everything electrical he could reach. This love continues unabated and it has always been a focus for him. He tried to become a ham in the early 60's, but his family did not have the time or money to get him all the way from West Texas to the FCC exam office in Fort Worth. So, he just persisted in a Receive Only mode for about 30 years. During that time (in 1974) he graduated from Texas A & M University in Electrical Engineering. Sometime shortly thereafter he met and married his XYL and they have raised two lovely daughters together. They are still happily married and love to travel together. She actually encourages him to "play radio". After graduation he ended up in the energy business and spent 25 years making theory into practical applications on projects. This gave him experience in all phases of worldwide energy development and production as well as many critical, ancillary activities ranging from emergency planning, to water treatment, to electronics.

He has professional certifications which include Registered Professional Engineer, Certified Safety Professional, and Registered Environmental Manager. He currently owns his own global management consulting and electronics project business, Sparks Technical Management Services, Inc. If there is any work more fun than doing electronics projects for a job he says he cannot imagine what it would be."

Late Breaking News at <<http://www.extremezone.com/~nk7m/tut03.htm>>.

Hope to see you there!!

John Stevens - K5JS
(Relayed to QRP-L via Jerry Haigwood)

Date: Tue, 22 Jul 2003 12:41:49 -0500
From: "George, W5YR" <w5yr@att.net>
To: <wb9hfk@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [154696] Re: TKit 1330 question
Message-ID: <00d701c35078\$88871e80\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

14.31818 MHz.

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

----- Original Message -----
From: "Mark Prather" <wb9hfk@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, July 22, 2003 11:33 AM
Subject: TKit 1330 question

>
> Can anyone tell me the what IF the Ten Tec 1330 uses???
>
> Thanks!
>
> 73,
>
> Mark
>

Date: Tue, 22 Jul 2003 13:11:18 -0400 (EDT)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [154697] Re: Ft Tuthill night watch
Message-ID: <Pine.LNX.4.44.0307221144490.11296-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Have fun, everyone!

I have a 10" Dob but it and I are pretty much stuck here in Eugene.

Not a problem, as there's lots of dark skies.

With regard to the Mars near passage...

Ever see "Mars Attacks?"

BEWARE!

If the populace of any other world were to attack us, it would make the most sense to do so when travel is going to be the least expensive - which translates to the shortest trip!

Have fun at the hamfest!

I knew living on the left coast would make me weird :)

Scott N7JI

On Tue, 22 Jul 2003, Chuck Adams wrote:

>
> Gang,
>
> I know that this group has secondary hobbies. One of
> them being astronomy.
>
> If you are coming to Ft Tuthill and have a telescope that
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> levels. :-)
>
> FYI
>
>
>
> Chuck Adams K7QO k7qo@commspeed.net
> <http://www.qsl.net/k7qo> CP-60
>

--

Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Tue, 22 Jul 2003 14:05:14 -0400
From: "Charles Mabbott" <aa8vs@msn.com>
To: qrp-1@Lehigh.EDU
Subject: [154698] ARRL License renewal
Message-ID: <BAY4-F39T36Len4Pb090000e6e8@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

I picked up a form from local VE session, filled it out and mailed it to ARRL, got new wallpaper back in about 8 days..... Pay for the service, might as well use it. IMHO

73 Chuck AA8VS

"You can't reason a person out of a position that the person wasn't reasoned into in the first place"

<http://68.43.100.7:81/aa8vs>

Add photos to your e-mail with MSN 8. Get 2 months FREE*.

<http://join.msn.com/?page=features/featuredemail>

Date: Tue, 22 Jul 2003 14:05:23 -0400

From: "Charles Mabbott" <aa8vs@msn.com>

To: qrp-1@Lehigh.EDU

Subject: [154699] ARRL License renewal

Message-ID: <BAY4-F6qTDvn8GI6Gfi00001f02@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

I picked up a form from local VE session, filled it out and mailed it to ARRL, got new wallpaper back in about 8 days..... Pay for the service, might as well use it. IMHO

73 Chuck AA8VS

"You can't reason a person out of a position that the person wasn't reasoned into in the first place"

<http://68.43.100.7:81/aa8vs>

MSN 8 helps eliminate e-mail viruses. Get 2 months FREE*.

<http://join.msn.com/?page=features/virus>

Date: Tue, 22 Jul 2003 14:15:52 -0500

From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [154700] OT:Palm or Pocket PC?
Message-ID: <412003722219155264@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Planning to move to a handheld computer for use in the field.
Question--which would be preferred, a Palm OS system, or a Pocket PC? I
have frankly been more impressed with the screens and features of the
Pocket PC. But seems like there is much more software available for the
Palm. Opinions, anyone? Thanks in advance.

73,
--Doc/K0EVZ

Date: Tue, 22 Jul 2003 13:39:57 -0700
From: "Bud Haynes" <BudHaynes@peoplepc.com>
To: <kd1jv@moose.ncia.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [154701] Re: On line License renewal
Message-ID: <005b01c35091\$6c2749e0\$b3e10143@bud>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> but I decided
> to try doing the FCC web site thing. It really wasn't very difficult, took
> maybe 1/2 hour to figure out what to do and do it. So, guess I'm set for
> another 10 years, if the piece of paper actually shows up in my mailbox<g>
>
> 72,
> Steve, KD1JV
> "Melt Solder"
> White Mountains of New Hampshire

> <http://www.qsl.net/kd1jv/>
>

Steve, The license's for my wife and I expired July 13, I got on line and renewed them both with a change of zip code. They sent them to my home in Yuma, AZ and they were forwarded to me in my summer place in Glenrock, WY. The whole thing took 1 1/2 weeks. The only thing that bothered me was the fact that after you submit the applications you are not sure if they went through or not.

Bud - KV7G - Glenrock, WY

Date: Tue, 22 Jul 2003 15:47:07 -0400
From: "David Hinerman" <WD8CIV@worldnet.att.net>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [154702] Out of the mouths of babes...
Message-ID: <000101c3508a\$0859aef0\$7a032a0a@nyroc.ametek.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

... if you'll forgive the expression.

In this week's edition of EDN Magazine, "The Design Magazine of the Electronics Industry," there's a 1-page article by Bonnie Baker of Microchip Technology, who makes the PIC microcontrollers.

The article is titled "Low-Power Operation is a State of Mind." It took me a few milliseconds to realize Ms. Baker meant low-power electronics in general, not radio, but she offers some suggestions that might be helpful to us here in viw of the recent dicussions on learning PIC processors, and the power consumption of the NorCal Keyer.

I won't re-print the entire article, but here are some key points from a list:

- * Drive any unused I/O pins into a high or low state.
- * Use RC oscillators for clock sources whenever possible.
- * Shut down all peripherals not in use, such as the pulse-wodth modulator, ADC, and USART.
- * Use as many look-up tables as possible in your code instead of using the CPU to compute results.
- * Check the power consumption of all external components. for instance,

measure the voltage drop of -all- external resistors in the circuit.
* Lower the I/O pins that power external peripherals.
* In general, look for current-consumption gremlins and surprises such as LEDs that are turned on.

The idea is to reduce current consumption by reducing static current sinks (like LEDs that are on) and limiting the number and frequency of signals that are changing (oscillators). The CMOS technology used in most modern controller draws just a whisper of current when a signal is stable at either a high or a low state. It's when the signal switches from high to low that current is consumed. (To illustrate this, just imagine the Intel Pentium 4 processor. It's built using similar "low-power" CMOS technology, but it needs loads of cooling due to the sheer number of circuits singing away.)

Dave

David Hinerman WD8CIV
wd8civ@worldnet.att.net

Date: Tue, 22 Jul 2003 13:57:29 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Cc: Brian Buydens <brian.buydens@usask.ca>
Subject: [154703] OT: R/C controlled vehicles
Message-ID: <Pine.OSF.4.53.0307221349570.287053@duke.usask.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

I have marked this email off topic since it isn't really ham radio although it is QRP ;-). My son has an R/C controlled truck which no longer was to back up. It goes forward and left and right. I would like to learn how to trouble shoot the thing but have very little experience with R/C equipment.

What I would like is for someone to elmer me through this. I have created a web site with the pictures of the circuit board at:

http://duke.usask.ca/~buydens/rc_vehicle/index.html

Unfortunately I do not have a schematic diagram. I even wrote to the New Bright company and they could not supply me with one.

If you feel like building some good karma and would be willing to help me though this please contact me off list.

Thanks.

Brian Buydens
Veterinary Electronic Data Specialist
Computing Services, University of Saskatchewan
email: Brian.Buydens@usask.ca
<http://duke.usask.ca/~buydens>
VE5RDV

I am a proud citizen of "Soviet Canuckistan"

Date: Tue, 22 Jul 2003 16:35:24 -0400
From: "Bob & Janet" <jbcraft@adelphia.net>
To: <dock0evz@earthlink.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [154704] RE: Palm or Pocket PC?
Message-ID: <AGEJJBFLLPLHMOECFDINOIEBHCJAA.jbcraft@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dell Axiom!!!

I have a Sony Clie SJ20 (B&W version of the SJ22) I like the Sony as a Palm OS device because of the hi rez... but my next palm device will be a pocket PC

Bob K8YS

Date: Tue, 22 Jul 2003 23:38:13 eet
From: "Paul Mooney" <mooney@cytanet.com.cy>

To: "Doc K0EVZ" <dock0evz@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [154705] Re: OT:Palm or Pocket PC?
Message-ID: <3f1e0325.2fec.0@cytanet.com.cy>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>Gang:
>
>Planning to move to a handheld computer for use in the field.
>Question--which would be preferred, a Palm OS system, or a Pocket PC? I
>have frankly been more impressed with the screens and features of the
>Pocket PC. But seems like there is much more software available for the
>Palm. Opinions, anyone? Thanks in advance.
>
>73,
>--Doc/K0EVZ
>

My personal favourite would be a Sharp zaurus, but get a thin serial cable.
Wider range of software than the others, and you can change the proprietary
O.S. if you wish.

Paul M.

CYTANET WebMail
<http://webmail.cytanet.com.cy>

Date: Tue, 22 Jul 2003 16:31:41 -0500
From: Dave Hottell <hottell@gulftel.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [154706] Load coil wire
Message-ID: <3.0.6.32.20030722163141.009b0990@pop.gulftel.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks,

Getting ready to wind a couple of loading coils for an antenna. Wondering
if the type of wire used makes much difference. Seems that the insulation
of speaker wire is lossy when used as transmission line and wondering if
the same holds true for inductors. Does the type insulation on the wire
have any effect?

Anyone have any experience they would want to share on this?

73 de Dave
ab9ca/4

End of QRP-L Digest 2989
